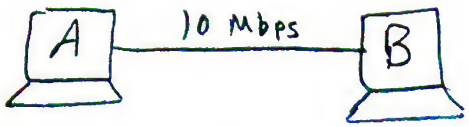
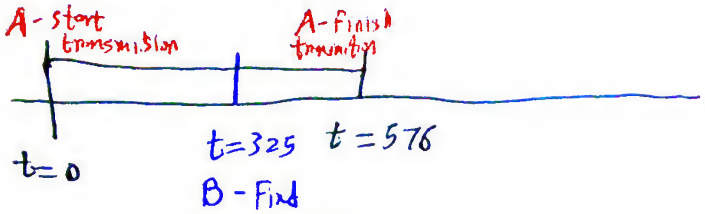
Security

Section 3

P18



$d_{prop} = 325$ bit times



→ B begins transmitting before A finishs

↳ $t = 0 : 325$ (before sence A)

① Assume B starts at $t=0$

- A will sence B's frame at $t = 325$

② Assume B starts at $t = 324$

- A will sence B's frame at

$t = 324 + 325 = 649$

* In general

A can sence B's frame before finishing, IF B start trancmision at t

where $t < 576 - 325$

$t < 251$

P19 $d_{prop} = 245$ bit times

Assume that waiting time

$= K . 512$ bit times

→ B will schedule its retransmission after $K_B . 512 = 512$ bit times

$t = 245 + 512$

$= 757$ bit times

→ A will start retransmission after $K_A . 512 = 0$

$t = 245$ bit times

→ A will reach B at

$t = 245 + 245$

$= 490$

→ B sence that A is using the medium so there will be no Collision

→ B will wait only IF A's frame does not finish at $t = 757$

Frame Length $> 557 - 245$

P 23

total aggregate throughput

$= \sum$ bandwidth

$= (9 + 2) * 100$ Mbps

$= 1100$ Mbps

P 29 For R4

in Lable	out Lable	dest	out int.
20	10	A	0
	12	D	0
21	8	A	1

R6

in	out	dest	Intr.
	20	A	0

R5

in	out	dest	intr.
	21	A	0